

**Hokkaido University**  
**Graduate School of Engineering**  
**English Engineering Education Program**

**Application guidelines**  
**[e<sup>3</sup> General Selection]**  
**for International Students**

**MASTER'S PROGRAM**  
**DOCTORAL PROGRAM**

**April 2019 enrollment (Second call)**  
**October 2019 enrollment (First call)**

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# Goal of Education and Admission Policy at the Graduate School of Engineering

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## Goal of Education

The goal of Hokkaido University Graduate School of Engineering is through the succession and creation of study, to nurture individuals who have general education and advanced technical skills in the field of engineering; who have knowledge in diverse areas with which they can adapt to globalization, ongoing advancements in science and technology, and the trend toward interdisciplinary approaches; and who have discernment and the ability to meet practical challenges.

## Admission Policy

This graduate school accepts applicants who have graduated with a major in a field of science and engineering and want to obtain a Master's or Doctoral degree in engineering as well as promising mature applicants who gained work experience after completing an undergraduate and Master's degree, and now are interested in earning a doctoral degree.

The graduate school also actively accepts international students. Mature and international students who pass the entrance examination may enroll in either April or October.

The master's course entrance examination includes a written exam that covers language skills and field-specific knowledge and an oral exam. The written exam is given to measure the applicant's level of understanding of basic and specialized subjects in the fields of study in each division, but to ensure that the university accepts students with a broad range of skills, students may select their examination subjects from many different subjects.

The doctoral course entrance examination includes a written exam that covers language skills and field-specific knowledge and an oral exam to evaluate the applicant's research skills.

In some divisions, individuals with outstanding academic records or with extensive research and development experience at companies or other institutions may be exempted from taking the written exam.

# 1. About the Program

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International graduate program in English (Master's and Doctoral degree) was first established at the Graduate School of Engineering, Hokkaido University in year 2000 as English Graduate Program in Social Environmental Engineering (EGPSEE) in order to attract qualified international students, who speak little or no Japanese. Program has gradually expanded to cover the other fields of engineering, and was renamed English Engineering Education Program (hereafter referred as e<sup>3</sup> program) from 2007. The program comprises of 13 divisions encompassing all fields of Engineering.

The program aims to educate together International and Japanese students in Master's and Doctoral degrees in a multicultural and inter-disciplinary environment in English. The goal of the e<sup>3</sup> program is to foster globally competitive individuals, engineers and researchers, who possess in-depth knowledge, are equipped with up-to-date technologies, have global mindset, and are able to work, taking leadership in various fields.

To foster the individuals described above and achieve its goal, e<sup>3</sup> program embraces the diversity of origins of the applicants and recruits students from all over the world.

## 2. Admission Categories

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Admission screening to the program is conducted under the three categories. Please carefully confirm eligibility, requirements and deadlines for each category in the respective application guidelines, and choose an appropriate one. These guidelines describe the matters related to e<sup>3</sup> General Selection.

- e<sup>3</sup> Special selection (please refer to the respective guidelines)
- **e<sup>3</sup> General selection**
- Double Degree Program special selection (please refer to the respective guidelines)

Additionally, applicants who have already passed the general examination of Graduate School of Engineering can be accepted to e<sup>3</sup> program under the two categories below:

- Acceptance to the program after passing the general selection
- Transfer to the program within the Graduate School of Engineering

Application guidelines for each category are published online on program's web page:

<http://www.eng.hokudai.ac.jp/e3/>

### 3. Divisions Accepting Applications

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The number of openings: several Master's and Doctoral program students in the listed below divisions which are accepting applications.

Division	Accepting applications	
	Master's program	Doctoral Program
Applied Physics	Yes	Yes
Materials Science and Engineering	No	Yes
Mechanical and Space Engineering	Yes	Yes
Human Mechanical Systems and Design	Yes	Yes
Energy and Environmental Systems	Yes	Yes
Quantum Science and Engineering	Yes	Yes
Field Engineering for the Environment	Yes	Yes
Engineering and Policy for Sustainable Environment	Yes	Yes
Architectural and Structural Design	Yes	Yes
Human Environmental Systems	Yes	Yes
Environmental Engineering	Yes	Yes
Sustainable Resources Engineering	Yes	Yes
Cooperative Program for Resources Engineering (Master's program only)	Yes	No

### 4. Qualifications for Applicants

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#### 4-1. Nationality

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1. Non-Japanese nationals
2. Those who have/will obtain the Japanese residence status "student" by the time of enrollment

\*If you are a non-Japanese national other than listed under the category (2), please inquire to the e<sup>3</sup> program office before the period of the Preliminary Screening of Qualifications. There is a possibility you are qualified to apply for admission to the Graduate School of Engineering, Hokkaido University if you apply for the preliminary screening of qualifications. (Please refer to section 4-2 for the details about the Acceptance Period of the Preliminary Screening of Qualifications.)

#### 4-2. Educational Qualifications

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##### Master's Program

1. Individuals who have been awarded a Bachelor's degree or the equivalent to a Bachelor's degree based on the completion of a course with a study period of at least three years at a

university or educational institution outside Japan, or expected to be awarded by March 2019 (in case of April 2019 Enrollment) or September 2019 (in case of October 2019 Enrollment).

2. Individuals who have completed or are expected to graduate from a Japanese University by March 2019 (in case of April 2019 Enrollment) or September 2019 (in case of October 2019 Enrollment).

3. Applicants who do not fall under the categories listed above, but who are recognized as possessing the equivalent or greater academic skill as that of a university graduate based on the individual assessment of qualifications and who will be 22 years of age as of March 31, 2019 (in case of April 2019 Enrollment) or September 30, 2019 (in case of October 2019 Enrollment). Those individuals have to apply for the Preliminary Screening of Qualifications in advance.

If you have other than listed above educational qualifications, please inquire to the e<sup>3</sup> program office.

### Preliminary Screening of Qualifications

Applicants whose educational qualifications fall under 3 in the section 4-2, “Master’s Program” should apply for the preliminary screening of qualifications. We will conduct the screening before accepting hard copies of applications documents, thus please submit the documents indicated in the section 8-1 along with the documents “Application for the preliminary screening of qualifications” to the e<sup>3</sup> Program Office by e-mail. Please make sure that the application for the preliminary screening of qualifications has name of your expected supervisor.

Acceptance Period of the Preliminary Screening of Qualifications	December 3-7, 2018
Results Announcement	December 21, 2018

### Doctoral Program

1. Individuals who have been awarded a Master’s degree or the equivalent to Master’s degree based on the completion of a course at a university or educational institution outside Japan, or expected to be awarded by March 2019 (in case of April 2019 Enrollment) or September 2019 (in case of October 2019 Enrollment).

2. Individuals who have completed or are expected to complete Master’s degree from a Japanese University by March 2019 (in case of April 2019 Enrollment) or September 2019 (in case of October 2019 Enrollment).

3. Applicants who do not fall under the categories listed above, but are recognized as possessing the equivalent or greater academic skill as that of a person who has a master’s degree based on the individual assessment of qualifications and who will be 24 years of age as of March 31, 2019 (in case of April 2019 Enrollment) or September 30, 2019 (in case of October 2019 Enrollment) Such individuals have to apply for Preliminary Screening of Qualifications in advance.

If you have other than listed above educational qualifications, please inquire to the e<sup>3</sup> program office.

### **Preliminary Screening of Qualifications**

Applicants whose educational qualifications fall under 3 in the section 4-2, “Doctoral Program” should apply for the preliminary screening of qualifications. We will conduct the screening before accepting hard copies of application documents, thus please submit the documents indicated in the section 8-1 along with the documents “Application for the preliminary screening of qualifications” to e<sup>3</sup> Program Office by e-mail. Please make sure that the application for the preliminary screening of qualifications has the name of your expected supervisor.

Acceptance Period of the Preliminary Screening of Qualifications	December 3-7, 2018
Results Announcement	December 21, 2018

## 4-3. Language Proficiency

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English is the language of instruction in all classes of the program and applicants must possess comprehensive knowledge of the English language. Applicants are required to submit an official test score above the minimum requirement.

Minimum English Proficiency Requirements			
TOEFL iBT Test*	TOEFL PBT*	IELTS	TOEIC L&R
79	550	6.0	670

\*TOEFL university code: 8648

### Exemptions

- Applicants who graduated or are expected to graduate from a full-time Bachelor's degree program for which the medium of instruction is English
- Applicants who graduated or are expected to graduate from a full-time Master's degree program for which the medium of instruction is English
- Applicants whose native language is English (Please inquire about your qualification to e<sup>3</sup> program office.)

To be considered for exemption, the applicant has to submit a proof that the medium of instruction (MI) at the university/program was English, such as an official MI certificate issued by the university, an official transcript or graduation certificate with MI being specified, or an official letter from the institution. Certificates or letters mentioned above are not required for the countries where English is the first language.

If you have any concerns whether you qualify for an exemption, please directly inquire to the e<sup>3</sup> program well ahead of the deadline.

For the details on the test results submission, please refer to the list of the application documents.

## 5. Exam Location and Overview

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Admission decision through the e<sup>3</sup> General Selection is based on the results of the on-campus entrance examination.

### [Exam Location & Venues]

Entrance examination is conducted at the Graduate School of Engineering, Hokkaido University (Sapporo Campus).

**Address:** The Graduate School of Engineering, Hokkaido University  
Kita 13 Nishi 8, Kita-ku, Sapporo, Hokkaido 060-8628, Japan

The venues for each subject will be announced the day before the examination on the notice board at the entrance hall of the main building of Faculty of Engineering (A-building).

Please refer to pp 16-18 regarding the Examination date, time.



[Overview]

The examination includes written or oral examination on professional subjects, and an interview. The exam questions are prepared in English and oral examinations and an interview are conducted in English. The examination of the e<sup>3</sup> General Selection is conducted on the same dates as the entrance examination of e<sup>3</sup> Special selection second-round screening.

## 6. Application and Screening Schedule

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- e<sup>3</sup> General Selection will be conducted on the schedule below.
- For further details, please refer to sections “7. Preliminary check”, sections “8. Application Submission” and sections “9. Payment of the examination fee”.
- Application is considered complete only when the examination fee is paid and originals of the application documents have arrived at the e<sup>3</sup> office during the specified application period.

### April 2019 Enrollment (Second call) / October 2019 Enrollment (First call)

Procedure	Dates
Preliminary Documents Check/ Preliminary Screening of Qualifications →sections 7	December 3-7, 2018
Documents Check Results Notification	by December 21, 2018
Preliminary Screening of Qualifications Results Announcement	December 21, 2018
Submission of Hard Copy Application and Examination Fee Payment →sections 8,9	January 8-15, 2019
<b>On campus entrance examination</b>	<b>February 13-14, 2019</b>
Examination results Announcement	March 4, 2019

## 7. Preliminary Documents Check

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In order to ensure that the applicant has the required qualifications, and the e<sup>3</sup> program has a faculty member who can provide a proper supervision on the proposed research topic, all applicants are required to submit the documents listed in section “8. Application submission” for a preliminary check before submitting their formal application.

Applications are reviewed on a rolling basis and results of documents check are notified by e-mail. Applicants are not required to pay the application fee until they have successfully passed the preliminary check and are asked to submit hard copies of application documents.

Applicants are required to make a proper background search and identify the faculty members who conduct research in the relevant field of study. The list of laboratories and faculty members is available online at: <http://www.eng.hokudai.ac.jp/e3/e3study/divisions>

Applicants are recommended to specify two potential supervisors. Prior contact with a potential supervisor is not required. If the applicant ticks “I agree to be considered for acceptance by different supervisor/laboratory”, his or her application may be recommended to another laboratory that is not identified in the application form, but deemed appropriate. However, the e<sup>3</sup> program cannot guarantee any alternative suggestion for the applicant.

Documents for preliminary check shall be submitted by e-mail ( [eprogram@eng.hokudai.ac.jp](mailto:eprogram@eng.hokudai.ac.jp) ) no later than the deadline listed below. (Please see the e<sup>3</sup> program website: <http://www.eng.hokudai.ac.jp/e3/> )

Applicants seeking a scholarship with a direct recommendation through the e<sup>3</sup> program shall submit their documents during the period of screening for a particular scholarship. Please refer to the section 11, “Scholarships” for the details.

Applicants who have received the result in the process of scholarship screening prior to the period specified below are required to submit the e<sup>3</sup> application form and other relevant documents listed in section “8. Application Submission” by the deadline, but do not need to re-submit certificates and forms already provided to the e<sup>3</sup> program’s office.

Submission Period for Soft Copy Documents	December 3-7, 2018
Documents check results notification	by December 21, 2018

Applicants who received an e-mail from the e<sup>3</sup> program office shall submit the originals of the application documents and pay for the examination fee through the application website (<http://e-apply.jp/e/hokudai-eng/>) during the application period. In the case that you did not receive an e-mail from the e<sup>3</sup> program office by December 21, please inquire about it.

## 8. Application Submission

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### General Submission Notes

1. All the required documents shall be delivered to the e<sup>3</sup> program office before the application deadline.
2. Formal application for admission is considered complete only when the examination fee is paid and the originals of the application documents have arrived at the office during the specified application period. Please avoid any incorrect entries. Incomplete applications are not acceptable when you submit the hard copies for admission. Application will not be accepted if the hard copies are delivered past the deadline.
3. After you have completed the submission of your application, you cannot change the contents of the application.
4. For scholarships screening, the submission of originals may be required during the selection screening. Please confirm the deadlines and requirements of each scholarship.

5. Application documents shall be written in English or official English translation shall be attached.
6. Either an original or certified copy of the documents shall be prepared, unless otherwise specified. A copy can be certified by an issuing institution or public notary.
7. Submitted documents are not returnable to the applicants for any reason. If any of the documents cannot be re-issued (such as graduation certificates, transcripts etc.), please submit a certified copy.
8. If any false description is found in application documents, entrance approval may be cancelled.
9. Please do not staple the documents. If necessary, please use removable clips instead.

## List of the Documents

All the forms can be downloaded from the e<sup>3</sup> program's web page.

( <http://www.eng.hokudai.ac.jp/e3/admission-int/apply-admission> ) When specified, free format can be used.

Applicants currently enrolled in Graduate School of Engineering as Research Students or Master's course students shall refer to the list for "Inner Applicants", in the section 8-2.

## 8-1. List for Overseas and Domestic Applicants (Applicants who are not currently enrolled in School of Engineering, Faculty or Graduate School of Engineering, Hokkaido University)

Documents marked \*are required only when it is applicable, and non-marked documents are required to submit. Please confirm the conditions for each of the items.

1	<p><b>e<sup>3</sup> Application Form</b> Please note that an original handwriting signature is required on the last page. No electronic signature is allowed.</p>
2	<p><b>Admission Ticket</b></p>
3	<p><b>Education History</b></p>
4	<p><b>Three Photos, approximately 3.5x4.5 cm</b> (One of them shall be pasted on your e<sup>3</sup> application form)</p>
5	<p><b>Check List of Required Documents</b></p>
6	<p><b>Research Proposal</b> If you have chosen two laboratories with different research topics, please prepare two proposals. <b>Format:</b> JICA Innovative Asia, MEXT: Super Global Universities scholarships applicants shall use e<sup>3</sup>-designated proposal format. Self-supported applicants, candidates with their own scholarships are allowed to use a free format.</p>
7	<p><b>Abstract(s) of Bachelor's/Master's Thesis(es)</b> Format is free, but make sure to include the title, the author, the name of the supervisor, the date submitted (or expected to be submitted), and specify the type of work (bachelor's thesis, graduation project etc) If formal thesis was not a part of your degree program, please prepare a summary of the research project etc. you conducted at your home university.</p>
8*	<p><b>Abstract(s) of the Publication(s)</b> If you listed any first author papers (including conference proceedings) in your publications list, please attach an abstract. Do not attach the full paper. If your paper was published in a language other than English, please prepare an English abstract. Please make sure that the abstract is accompanied with full reference information including: name(s) of the author(s), title, and publication information.</p>
9	<p><b>Academic Transcripts</b> Official academic transcripts for every graduated /expected to graduate university program (originals or certified copies) shall be prepared. Holders of bachelor's degree only: please submit transcripts from the undergraduate school(s). Master's degree holders: please submit transcripts from both undergraduate and graduate schools. The most recent transcripts are required if you haven't graduated yet.</p>

	<p>Please make sure the date of issue is specified. If the Academic Transcripts are written only in your native language, please submit the Academic Transcripts in English or an official translation.</p>								
10	<p><b>Graduation/Expected Graduation Certificates</b></p> <p>Applicants have to submit the originals or certified copies of graduation certificates for each graduated program. High school certificates are not required.</p> <p>Applicants who haven't graduated yet:</p> <ul style="list-style-type: none"> <li>- Please prepare the most recent provisional certificate. The expected graduation certificate must show the expected date of your graduation.</li> <li>- If your university does not issue an expected graduation certificate, please obtain a certificate of enrollment which shows the date of the enrollment and graduation)</li> <li>- Once you are conferred a diploma, please submit a copy if it's written in English/bi-lingual. If the diploma is written in your native language, please submit the graduation certificate in English or an official translation.</li> </ul>								
11	<p><b>Two Recommendation Letters</b></p> <p>The first letter shall be provided by your supervisor in the most recently graduated /expected to graduate program. The second letter can be provided by others familiar with your academic or professional work.</p> <p><b>Format</b> You may either download the e3 designated letter format or use free format. Please note that an original handwriting signature is required on the last page. No electronic signature is allowed. Please do not attach a letter from a potential supervisor at Hokkaido University.</p>								
12	<p><b>Documents to Prove English Proficiency</b></p> <p>Applicants are required to submit one of the original official test scores above the minimum requirement: TOEFL iBT, TOEFL PBT, IELTS, TOEIC L&amp;R or a proof of a full-time degree program in English (original) to be considered for exemption.</p> <p>Minimum English Proficiency Requirements for Admission: TOEFL iBT Test:79; TOEFL PBT: 550; IELTS: 6.0; TOEIC L&amp;R: 670</p> <table border="1" data-bbox="309 1442 1374 1646"> <thead> <tr> <th data-bbox="309 1442 842 1473">Accepted Tests</th> <th data-bbox="842 1442 1374 1473">Not Accepted Tests</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 1473 842 1574">TOEIC Listening &amp; Reading test</td> <td data-bbox="842 1473 1374 1574">TOEIC IP, TOEIC Speaking &amp; Writing Tests, TOEIC Speaking Test, TOEIC Bridge Test</td> </tr> <tr> <td data-bbox="309 1574 842 1608">TOEFL iBT, TOEFL PBT</td> <td data-bbox="842 1574 1374 1608">TOEFL ITP</td> </tr> <tr> <td data-bbox="309 1608 842 1646">IELTS (Academic)</td> <td data-bbox="842 1608 1374 1646">IELTS (General Training)</td> </tr> </tbody> </table> <p><b>Notes on Submission:</b> <b>TOEFL</b> - Test reports can be requested to be sent directly to the e<sup>3</sup> program office. If you specify that the test report form is sent directly to the e<sup>3</sup> program office, you do not need to submit the original of the test score by yourself. <b>Institutional code:</b> 8648</p> <p><b>IELTS</b> - Scores can be also requested to be sent directly to the e<sup>3</sup> program office. Please specify it in the application form. If you specify that the test report form is sent directly to the e<sup>3</sup> program office, you do not need to submit the score by yourself.</p>	Accepted Tests	Not Accepted Tests	TOEIC Listening & Reading test	TOEIC IP, TOEIC Speaking & Writing Tests, TOEIC Speaking Test, TOEIC Bridge Test	TOEFL iBT, TOEFL PBT	TOEFL ITP	IELTS (Academic)	IELTS (General Training)
Accepted Tests	Not Accepted Tests								
TOEIC Listening & Reading test	TOEIC IP, TOEIC Speaking & Writing Tests, TOEIC Speaking Test, TOEIC Bridge Test								
TOEFL iBT, TOEFL PBT	TOEFL ITP								
IELTS (Academic)	IELTS (General Training)								

	<p><b>Period of Validity</b> The test shall be taken within the last two years from the original submission deadline (January 15, 2019).</p> <p>Please note that if you have taken or are planning to take a test in Japan, only those tests conducted or scheduled during the following period will be accepted: TOEIC Listening &amp; Reading Test No. 217 (conducted in January 2017) ~ No. 236 (expected to be conducted on December 9, 2018). TOEFL iBT Tests conducted after January 15, 2017~ tests scheduled up to and including December 16, 2018 IELTS (Academic) Tests conducted after January 15, 2017~ tests scheduled up to and including December 13, 2018</p> <p><b>Exemptions</b></p> <ul style="list-style-type: none"> <li>● Applicants whose native language is English</li> <li>● Applicants who graduated or are expected to graduate from a <b>full-time bachelor's degree program</b> for which the medium of instruction is English</li> <li>● Applicants who graduated or are expected to graduate from a <b>full-time Master's degree program</b> for which the medium of instruction is English</li> </ul> <p>To be considered for exemption, the applicant has to submit a proof that the medium of instruction (MI) at the university/program was English, such as an official MI certificate issued by the university, MI being specified in the official transcript or graduation certificate, or an official letter from the institution. Such proof is not required for the countries where English is the first language. If you have any concerns whether you qualify as a native speaker of English, please directly inquire to the e3 program office well in advance of the deadline.</p>
13*	<p><b>A copy of Scholarship Approval Letter and Scholarship Information Form</b> Required from only applicants who granted a scholarship or in process for application for a scholarship. If you are granted a scholarship, please submit a letter from the organization confirming the scholarship nomination and scholarship form describing the details of the scholarship. If you are still in the process of application/selection, please first submit the scholarship information form only. The form is not required from CSC, MEXT and JICA-funded scholarships applicants.</p>
14*	<p><b>International Applicant's Declaration of Finance</b> Required from privately-funded applicants; Applicants with a full support scholarship are not required to submit the declaration. If the bank cannot stamp the form, please provide supporting documents following the instruction in this form.</p>
15	<p><b>Photocopy of Passport</b> Please provide a photocopy of the page showing your photo, nationality and name</p>
16*	<p><b>Copy of Residence Card (Both sides)</b> Applicants residing in Japan shall provide a copy of their residence card.</p>

## 8-2. List for Inner Applicants (Currently Enrolled in School of Engineering, Faculty or Graduate School of Engineering, Hokkaido University as Bachelor's course Student, Research Student, or Master's Course Student)

Documents marked \*are required only when it is applicable, and non-marked documents are required to submit. Please confirm the conditions for each of the items.

<b>1</b>	<p><b>e3 Application Form</b> Please note that an original handwriting signature is required on the last page. No electronic signature is allowed.</p>
<b>2</b>	<p><b>Admission Ticket</b></p>
<b>3</b>	<p><b>Education History</b></p>
<b>4</b>	<p><b>Research Proposal</b> Free format</p>
<b>5</b>	<p><b>Abstract(s) of Bachelor's/Master's Thesis(es)</b> Format is free, but make sure to include the title, the author, the name of the supervisor, the date submitted (or expected to be submitted), and specify the type of work (bachelor's thesis, graduation project etc) If a formal thesis wasn't a part of your degree program, please prepare a summary of the research project etc. you conducted at your home university. *Abstract of Bachelor's thesis is not required from currently enrolled Master's students.</p>
<b>6*</b>	<p><b>Abstract(s) of the Publication(s)</b> If you listed any first-author papers (including conference proceedings) in your publications list, please attach an abstract. Do not attach the full paper. If the paper was published in a language other than English, please prepare an English abstract. Please make sure the abstract is accompanied with full reference information including: name(s) of the author(s), title, and publication information.</p>
<b>7</b>	<p><b>Academic Transcripts</b> Transcript for Master's program is required only from Master's course students currently enrolled in Graduate Schools of Hokkaido University. Transcripts are not required from applicants who are currently enrolled as Research Students in Faculty of Engineering. Applicants for Master's course currently enrolled in Bachelor's course in School of Engineering shall submit bachelor's course transcript. Applicants for Doctoral course currently enrolled in Master's course in the Graduate School of Engineering shall submit Master's course transcript only.</p>
<b>8</b>	<p><b>Recommendation Letter</b> <b>From the current supervisor at Hokkaido University</b> <b>Format</b> You may either download the e3 designated letter format or use free format. Please note that an original handwriting signature is required on the last page. No electronic signature is allowed.</p>

## Documents to Prove English Proficiency

\*Documents are not required from those expected to complete a Master's degree under the e<sup>3</sup> program. Other applicants shall follow the submission guidelines below.

Applicants whose native language is not English are required submit one of the original official test scores above the minimum requirement: TOEFL iBT, TOEFL PBT, IELTS, TOEIC L&R or a proof that they completed a full-time degree program in English (original) to be considered for exemption.

Minimum English Proficiency Requirements for admission:

TOEFL iBT Test:79; TOEFL PBT: 550; IELTS: 6.0; TOEIC L&R: 670

Accepted Tests	Not Accepted Tests
TOEIC Listening & Reading test	TOEIC IP, TOEIC Speaking & Writing Tests, TOEIC Speaking Test, TOEIC Bridge Test
TOEFL iBT, TOEFL PBT	TOEFL ITP
IELTS (Academic)	IELTS (General Training)

### Notes on Submission:

**TOEFL** - Test reports can be requested to be sent directly to the e<sup>3</sup> program office. If you specify that the test report form is sent directly to the e<sup>3</sup> program office, you do not need to submit the original of the test score by yourself.

**Institutional code:** 8648

**IELTS** –Scores can be also requested to be sent directly to the e<sup>3</sup> program office. Please specify it in the application form. If you specify that the test report form is to be sent directly to the e<sup>3</sup> program office, you do not need to submit the score by yourself.

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### Period of Validity

The test shall be taken within the last two years from the original submission deadline (January 15, 2019).

Please note that if you have taken or are planning to take a test in Japan, only those tests conducted or scheduled during the following period will be accepted:

TOEIC Listening & Reading

Test No. 217 (conducted in January 2017) ~ No. 236 (expected to be conducted on December 9, 2018).

TOEFL iBT

Tests conducted after January 15, 2017~ tests scheduled up to and including December 16, 2018

IELTS (Academic)

Tests conducted after January 15, 2017~ tests scheduled up to and including December 13, 2018

### Exemptions

- Applicants whose native language is English
- Applicants who graduated or are expected to graduate from a **full-time bachelor's degree program** for which the medium of instruction is English
- Applicants who graduated or are expected to graduate from a **full-time Master's degree program** for which the medium of instruction is English

To be considered for exemption, the applicant has to submit a proof that the medium of instruction (MI) at the university/program was in English, such as an official MI certificate issued by the university, MI being specified in the official transcript or graduation certificate, or an official letter from the institution. Such proof is not required for the countries where English is the first language.

If you have any concerns whether you qualify as a native speaker of English, please directly inquire to the e<sup>3</sup> program well in advance of the deadline.



**Photocopy of Passport**

Please provide a photocopy of the page showing your photo, nationality and name

**Submission**

Submitted documents must reach the e<sup>3</sup> program office no later than the application deadline. Hard copies of the application documents shall be submitted by registered airmail, courier service or other services that provide tracking and delivery confirmation options (DHL, FedEx, EMS, etc).

It is applicants' own responsibility to estimate the required delivery time in order to meet the application deadline. Application will not be accepted if the hard copies are delivered past the deadline.

The e<sup>3</sup> program office will not respond to inquiries regarding the delivery and receipt of individual application documents. Once your documents are delivered and processed, you will receive a notification from the e<sup>3</sup> program. The notification will usually be sent within 3 working days of the documents delivery to the e<sup>3</sup> program office.

**Address:** English Engineering Education (e<sup>3</sup>) Program Office  
c/o International Affairs Office (A1-58)  
The Graduate School of Engineering, Hokkaido University  
Kita 13 Nishi 8, Kita-ku, Sapporo, Hokkaido 060-8628, Japan  
Tel: +81 11 706 8089 Fax: +81 11 706 8094

Inner applicants already enrolled in Hokkaido University can bring the documents directly to the e<sup>3</sup> program office.

**9. Payment of the Examination Fee**

Examination fee payment must be completed during the period of application/examination fee payment after the applicant received instruction to submit the formal application. Applicants nominated for the MEXT and CSC scholarships and those who are expected to enroll into PhD program straight after graduating from any Master's degree program of Graduate Schools of Hokkaido University are exempted from the payment of the examination fee. In case the results of these scholarship nomination are not confirmed before the application deadline, the payment of the examination fee can be deferred. Applicants who didn't have their MEXT or CSC scholarship nomination confirmed will be notified of the new application fee payment period.

- Amount of Application fee: 30,000 JPY
- Payment method:
  - Examination fee payment shall be completed through the application website (<http://e-apply.jp/e/hokudai-eng>) during the application period. You can use a credit card. If you are currently residing in Japan, you can also pay through a convenience store.
  - An additional amount of 500 JPY is charged for the transaction.

- You are not required to submit any receipt or confirmation of the payment.

Important: All application materials have to be submitted to the e<sup>3</sup> program office before the deadline to complete the application process. Application will not be accepted if the originals of application materials are not delivered by the deadline. The examination fee is non-refundable for any cases.

## 10. Examination Date, Time and Subjects

### [Master's Program]

#### Division of Applied Physics

Examination Date, Time and Subjects

Date	Time	Subject	
Feb 13 (Wed), 2019	9 : 00~ 16 : 00	Oral Examination	Applied mathematics (Ordinary differential equation, Fourier analysis, Laplace transform, Vector calculus, Complex analysis, Matrix) , Mechanics, Electromagnetism, Thermodynamics and Statistical mechanics, Quantum mechanics
Feb 14 (Thu), 2019	9 : 00~ 12 : 00	Interview	

#### Division of Mechanical and Space Engineering, Division of Human Mechanical Systems and Design, Division of Energy and Environmental Systems, Division of Quantum Science and Engineering

Examination Date, Time and Subjects

Date	Time	Subject	Other
Feb 13 (Wed), 2019	9 : 00~ 16 : 00	Written Examination	<ul style="list-style-type: none"> <li>• Mathematics</li> <li>• Strength of materials</li> <li>• Control engineering</li> <li>• Thermal engineering</li> <li>• Fluid mechanics</li> <li>• Electromagnetism</li> <li>• Material science</li> <li>• Atomic physics and nuclear reactor engineering</li> </ul> 2 to 4 subjects from 8. Please ask your potential supervisor for the subjects that you will have to take.
Feb 14 (Thu), 2019	9 : 00~ 12 : 00	Interview	

**Division of Field Engineering for the Environment, Division of Engineering and Policy for Sustainable Environment, Division of Environmental Engineering, Division of Sustainable Resources Environment, Cooperative Program for Resources Engineering**

Examination Date, Time and Subjects

Date	Time	Subject		Other
Feb 13 (Wed), 2019	9 : 00~ 12 : 00	Written Examination	-Math: Linear algebra, Calculus, and Differential equations -Physics: Dynamics and Thermodynamics -Chemistry: Chemical bonding and molecular structures, Chemical equilibrium, and Chemical reaction kinetics	2 subjects from 3. Please ask your potential supervisor for the subjects that you will have to take.
	13 : 00~ 16 : 00	Written Examination	Fluid engineering Structural mechanics Soil/Rock mechanics Concrete engineering Mathematical method for planning Geological basics Physical chemistry Microbial engineering Thermodynamics Reaction engineering Separation engineering Environmental statistics Earth environmental science	3 subjects from 13. Please ask your potential supervisor for the subjects that you will have to take.
Feb 14 (Thu), 2019	9 : 00~ 12 : 00	Interview		

**Division of Architectural and Structural Design, Division of Human Environmental Systems**

Examination Date, Time and Subjects

Date	Time	Subject		Other
Feb 13 (Wed), 2019	9 : 00~ 12 : 00	Written Examination	[Division of Architectural and Structural Design] Basics of architecture and structural design (structural dynamics, architectural structures, architectural materials and construction, architectural environment, architectural planning, history of architecture and cities, urban planning, and urban disaster management)	
			[Division of Human Environmental Systems] Basics of architecture and structural design (Same as above) Fundamental Environmental Engineering (heat transfer engineering, engineering thermodynamics, environmental physiology, thermal environmental engineering)	Choose 1 subject from 2.
	13 : 00~ 16 : 00	Written Examination	[Division of Architectural and Structural Design] Structural and urban safety design Space planning	Take the same subject as the title of course you would like to take in the division.
			[Division of Human Environmental Systems] Planning and Performance for Built Environment Building Science and Space Planning	
Feb 14 (Wed), 2019	9 : 00~ 12 : 00	Interview		

## [Doctoral Program]

### Examination Date and Time, Selection Method

Division	Examination Date and Time, Selection Method
Applied Physics	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on an oral exam related to their major field of study, particularly on their master's thesis and record of research results, as well as a comprehensive review of their application materials.</p>
Materials Science and Engineering	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, oral exam, foreign language examination, and research project plan after enrollment.</p>
Mechanical and Space Engineering	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, oral exam, foreign language examination, and research project plan after enrollment.</p>
Human Mechanical Systems and Design	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, oral exam, foreign language examination, and research project plan after enrollment.</p>
Energy and Environmental Systems	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, oral exam, foreign language examination, and research project plan after enrollment.</p>
Quantum Science and Engineering	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, oral exam, foreign language examination, and research project plan after enrollment.</p>

Field Engineering for the Environment	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized subjects exam, foreign language examination, and research project plan after enrollment.</p>
Engineering and Policy for Sustainable Environment	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized subjects exam, foreign language examination, and research project plan after enrollment.</p>
Architectural and Structural Design	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized exam, foreign language examination, and research project plan after enrollment.</p>
Human Environmental Systems	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized exam, foreign language examination, and research project plan after enrollment.</p>
Environmental Engineering	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized exam, foreign language examination, and research project plan after enrollment.</p>
Sustainable Resources Engineering	<p>Examination Date and Time: Any of the followings Feb 13 (Wed), 2019 ~ Feb 14 (Thu), 2019</p> <p>Selection Method: Applicants will be approved or rejected based on Master's thesis or alternative documents, specialized exam, foreign language examination, and research project plan after enrollment.</p>

## 11. Examination Results Notification and Admission Certificate

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The examination results are notified by e-mail to the e-mail address provided in the application form. The results are also posted on the notice boards of Graduate School of Engineering.

### Admission Certificate

Admission certificate is sent after March 4.

Admission certificates for the successful applicants are sent out via e-mail in pdf file, unless the originals are required for visa procedure. Please refer to the Section 14 “Visa assistance”. In other situations when applicant needs the original of the certificate, he or she shall contact the e<sup>3</sup> program office after receiving the certificate by e-mail.

## 12. Enrollment Fee and Tuition

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### Estimated Amount of Fees:

Enrollment fee	282,000 JPY (At the time of enrollment)
Tuition for a semester	267,900 JPY (Annual fee: 535,800 JPY)

Above fees are subject to change. If any revision is made at the time of admission or while the student is enrolled, the new amount will be applied as of the time of the revision.

If the enrollment fee is not paid during the enrollment procedure period, the applicant will be considered as having no intent to enroll. Information regarding the enrollment procedure and payment methods will be notified together with the examination results to the candidates for April 2019 enrollment. For the candidates for October 2019 admission, an additional announcement will be sent around August 2019.

If tuition is not paid for one semester, the student will be expelled from Hokkaido University. If you are having problems paying tuition due to financial hardship, you may be eligible for a tuition exemption (or deferment).

Japanese Government Scholarship (MEXT) awardees are exempted from the enrollment fees and tuition for the period of scholarship.

Chinese Scholarship Council (CSC) scholarship awardees are exempted from the enrollment fee and tuition for the period of CSC scholarship specified in the scholarship nomination letter.

### Tuition Exemption and Deferment of Enrollment Fee

Self-supporting graduate students can apply for exemption and/or deferment of the enrollment fee and tuition. Application documents will be sent to admitted candidates for April intake in March and for the October intake in September by e-mail. The payment of the enrollment fee and tuition fees can be delayed until the announcement of the exemption and/or deferment application results.

### Study Support System for PhD Students

In order to improve the educational and research environment of Doctoral course students, the Graduate School of Engineering provides support for tuition through the combination of

tuition waivers and employment as Research Assistant (RA). Doctoral Students eligible to apply for tuition waiver, who also wish to serve as a Research Assistant can additionally apply for this support. Applications are distributed to the supervisors around May for the Summer semester and in November for the Winter semester.

## **13. Scholarships**

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Information on available scholarship programs, eligibility, and the deadlines are provided at e<sup>3</sup> program's web page. If you are interested in applying for a scholarship, please check the web-page.

### **(1) Scholarships with Program's Recommendation**

In case of availability of external scholarship with the recommendation of the program, candidates screening can be conducted either prior or after the submission of the formal application. Please confirm the program's web-page for any available scholarships and screening schedules.

### **(2) MEXT: Embassy Recommended Candidates**

Applicants who passed the primary screening at a Japanese embassy will be asked to obtain a "Letter of Acceptance" from the graduate schools of their choice. In order to receive an acceptance letter from our program, applicants shall prepare admission documents listed in "Application documents" in the section 8-1, and send them by e-mail or upload through the on-line documents submission system.

### **(3) CSC Scholarship Applicants**

Chinese Council Scholarship (CSC) applicants shall follow the deadline set up by Hokkaido University in order to obtain an acceptance letter. Irrespective of Hokkaido University's deadline, applicants shall confirm the submission deadlines with their home universities in China and inform the e<sup>3</sup> program when submitting the application.

In order to receive an acceptance letter from our program, applicants shall prepare admission documents listed in the "Application documents" section together with documents in CSC application guidelines issued by Hokkaido University and send by e-mail or upload through the on-line documents submission system well ahead of the deadline.

The originals of the specified documents shall be submitted before the deadline. For more information, please check the web page.

### **(4) Other Scholarships**

If an individual is applying for a scholarship which requires a letter from accepting university, a conditional offer letter can be prepared for those who passed the preliminary screening.

Potential applicants shall contact the e<sup>3</sup> program office well in advance of the submission deadline of the letter to the scholarship foundation.



## 14. Visa Application Assistance

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### **Applicants who are Required to Obtain Certificate of Eligibility (COE)**

Once the applicants receive the certificate of passing the entrance examination, the e<sup>3</sup> program office will apply for a COE on behalf of the applicants. After the COE is issued, the original COE and the certificate for passing the entrance examination will be sent out to each applicant's home address. After receiving the COE, applicants must proceed to apply for a student Visa at a Japanese Embassy or Consulate in their country or region.

### **The MEXT Scholarship Recipients**

Original acceptance letter will be prepared after the scholarship is confirmed, and posted to one's country so that the scholarship recipient is eligible to apply for VISA without COE.

## 15. Protection of Personal Information

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(1) All personal information collected by Hokkaido University will be completely protected in compliance with the Act on the Protection of Personal Information Held by Independent Administrative Agencies, etc., and other related acts and pursuant to the Hokkaido University Regulations on Personal Information Management.

(2) Names, addresses, and other personal information provided to the university through application procedures will be used solely for (a) enrollee selection (application processing and the screening process) , (b) the announcement of exam results, (c) admission procedures, (d) surveys and research on enrollee selection methods, and (e) related processes.

(3) Some of these processes may be outsourced by the university to a contracted service provider (hereinafter referred to as "contractor") . All or some of the personal information provided by applicants may be provided to the contractor only as needed to perform the tasks for which it has been contracted.

(4) Personal information obtained through application procedures will be used only for those who are admitted for (a) school administration purposes (student registration, academic counseling, etc) , (b) student support services (health management, scholarship applications, etc.) ,and (c) tuition and other administrative purposes. (Personal information of applicants for Cooperative Program for Resources Engineering will be used in Kyushu University for the purpose of (a) and (b).)

(5) Of the personal information described in item (4) above, only names and addresses will be used to facilitate communication with students from the Hokkaido University Frontier Foundation and organizations related to Hokkaido University, such as (a) the Hokkaido University Athletic Union, and (b) Hokkaido University Faculty of Engineering "Hokkokai".

## Contact Information

English Engineering Education (e<sup>3</sup>) Program Office  
c/o International Affairs Office (A1-58)  
Graduate School of Engineering, Hokkaido University  
Kita 13 Nishi 8, Kita-ku, Sapporo, Hokkaido 060-8628, Japan  
E-mail: [eprogram@eng.hokudai.ac.jp](mailto:eprogram@eng.hokudai.ac.jp)  
Tel: +81 11 706 8089  
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